


**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**
**EPOTEC YD 134X-80**
**Description**

Epotec YD 134X-80 is an unmodified semi-solid epoxy resin based on Bisphenol-A dissolved as 80% solid in xylene for ease of processing and handling. This resin is applied mainly in low VOC adhesives & protective coatings. It can also be used to modify other epoxy resins to impart or improve the toughness, flexibility, adhesion etc.

Various curing agents can be employed to cure epotec YD 134X-80 epoxy resin. Although it can be cured at room temperature elevated temperature curing develops the full properties of the system.

**Applications**

- Adhesives
- Marine and Industrial protective coatings
- Solvent based coatings
- Coatings and systems for construction industry
- Encapsulation / insulation systems for electrical / electronic components
- Laminates

**Specification**

Appearance	Visual	Clear, colourless to light yellow liquid
Colour	ASTM D 1544 -04	1 G max.
Epoxy Equivalent Weight*	ASTM D 1652 -04	240 – 260 g/eq
Viscosity** @ 25 °C	ASTM D 2196-05	500 – 1,500 cP
Non-volatile content	ASTM D 1259-06	79 – 81 %

\*Based on solids

\*\*Brookfield viscosity

**Typical properties \***

Epoxide Value	ASTM D 1652-04	3.84 – 4.17
Density @25°C	ASTM D 1475-98	1.12 g/ml
Water content	ASTM E 203-01	0.5 % max.
Flash point	ASTM D 93	30 °C

\* = Typical properties are indicated for information on

**Packing** Epotec YD 134X-80 is packed and delivered in open mouth steel drums, 220 kg per drum as a standard pack.

---

**Storage** Epotec YD 134X-80 resin should be stored in dry and cool conditions in original tightly closed container. Under these conditions, it has a storage life of at least one year from the date of manufacturing. Due to solvent content, the solution is moderately skin irritant. Operators are advised to use personal protective equipment to avoid skin contact with the material. Use of general mechanical ventilation and local exhaust is recommended. Epotec YD 134X-80 should be kept away from sources of ignition.

---

**Handling** For more instructions on storage and handling of epotec YD 134X-80 please refer to the MSDS of the product.

**Disclaimer**

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

**For Additional Information, Please Contact:**

**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**

Mahatun Plaza Bldg., 16<sup>th</sup> Floor 888/167 Ploenchit Road, Lumpini, Bangkok 10330 Thailand.

Tel: (662) 2535031-3, Fax: (662) 2535030

Web Site: [www.adityabirlachemicals.com](http://www.adityabirlachemicals.com), E-Mail: [epoxymktg@adityabirla.com](mailto:epoxymktg@adityabirla.com)